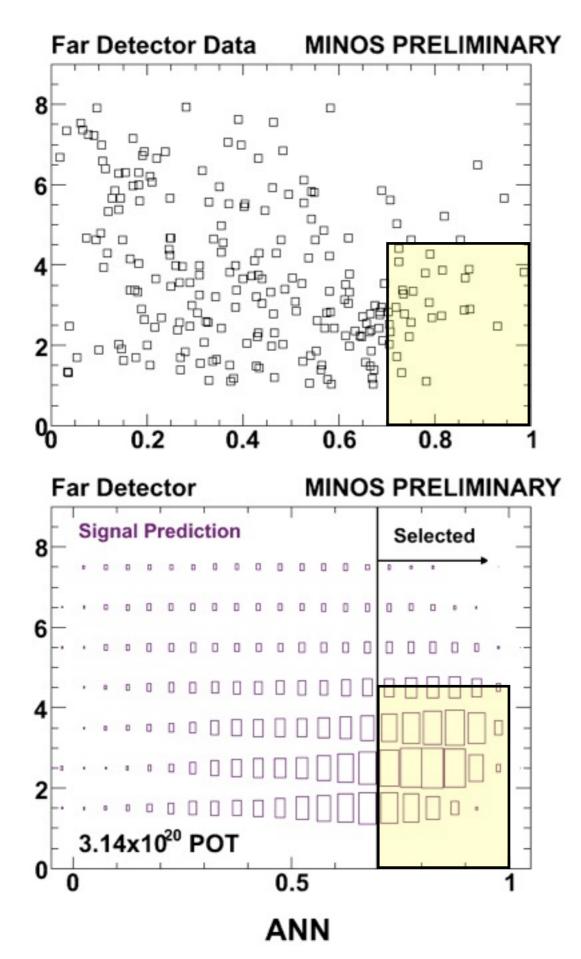
Post box opening aggressive analysis

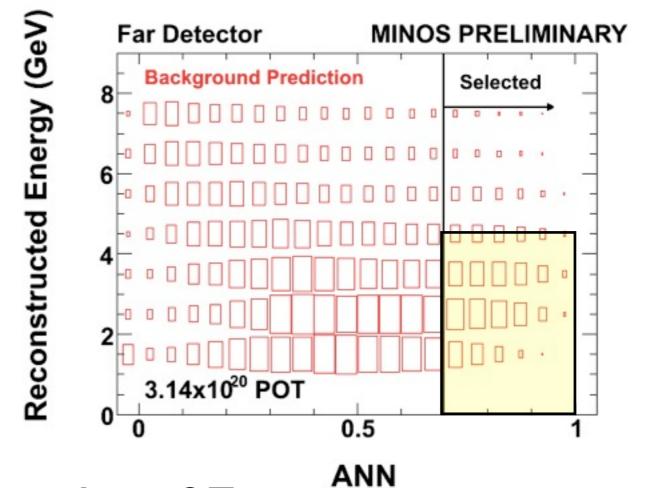
Milind Diwan 3/10/2009

Assumptions

- No attempt to be blind
- Plots made by Greg P.
- Try to maximize the sensitivity to theta_I3
- No attempt to evaluate systematics

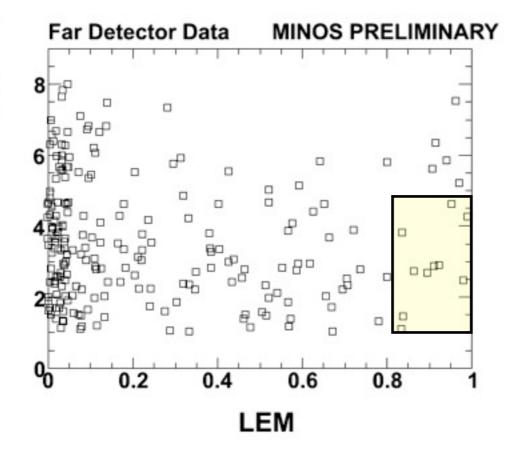
Reconstructed Energy (GeV) Reconstructed Energy (GeV)



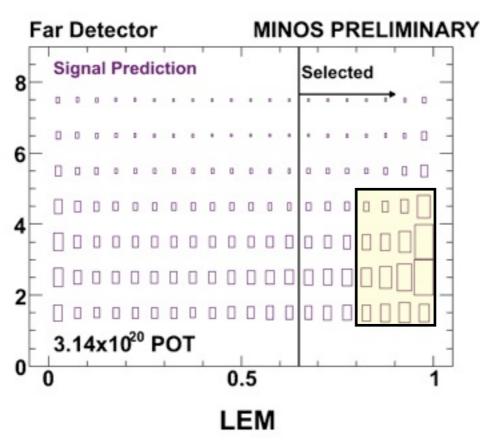


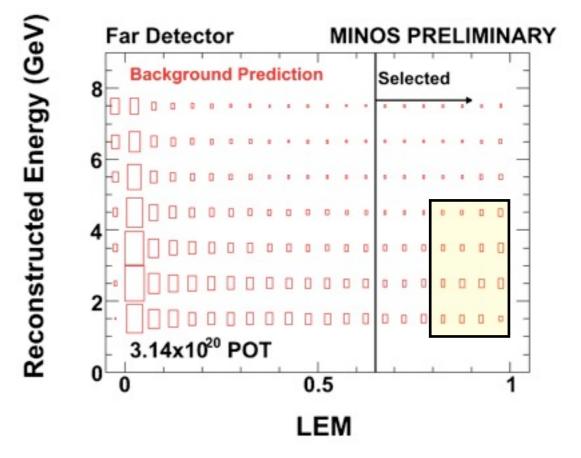
- •data: 27
- •signal:0.8*original
- •back: 0.7*27=19
- •excess: 8+-4.3
- 1.8 sigma
- •90%: <14.9 events

Reconstructed Energy (GeV)



Reconstructed Energy (GeV)





- •data: 10
- •signal: 0.7*old
- •back: 0.55*22=12
- •excess= -2+-3.4
- •90%: <3.4 events

90% limit

- LEM: $9* \sin^2 2\theta_{13}/0.15 < 3.4$
 - $\implies \sin^2 2\theta_{13} < 0.06$
- ANN: $9*\sin^2 2\theta_{13}/0.15 < 15$.
 - $\implies \sin^2 2\theta_{13} < 0.25$